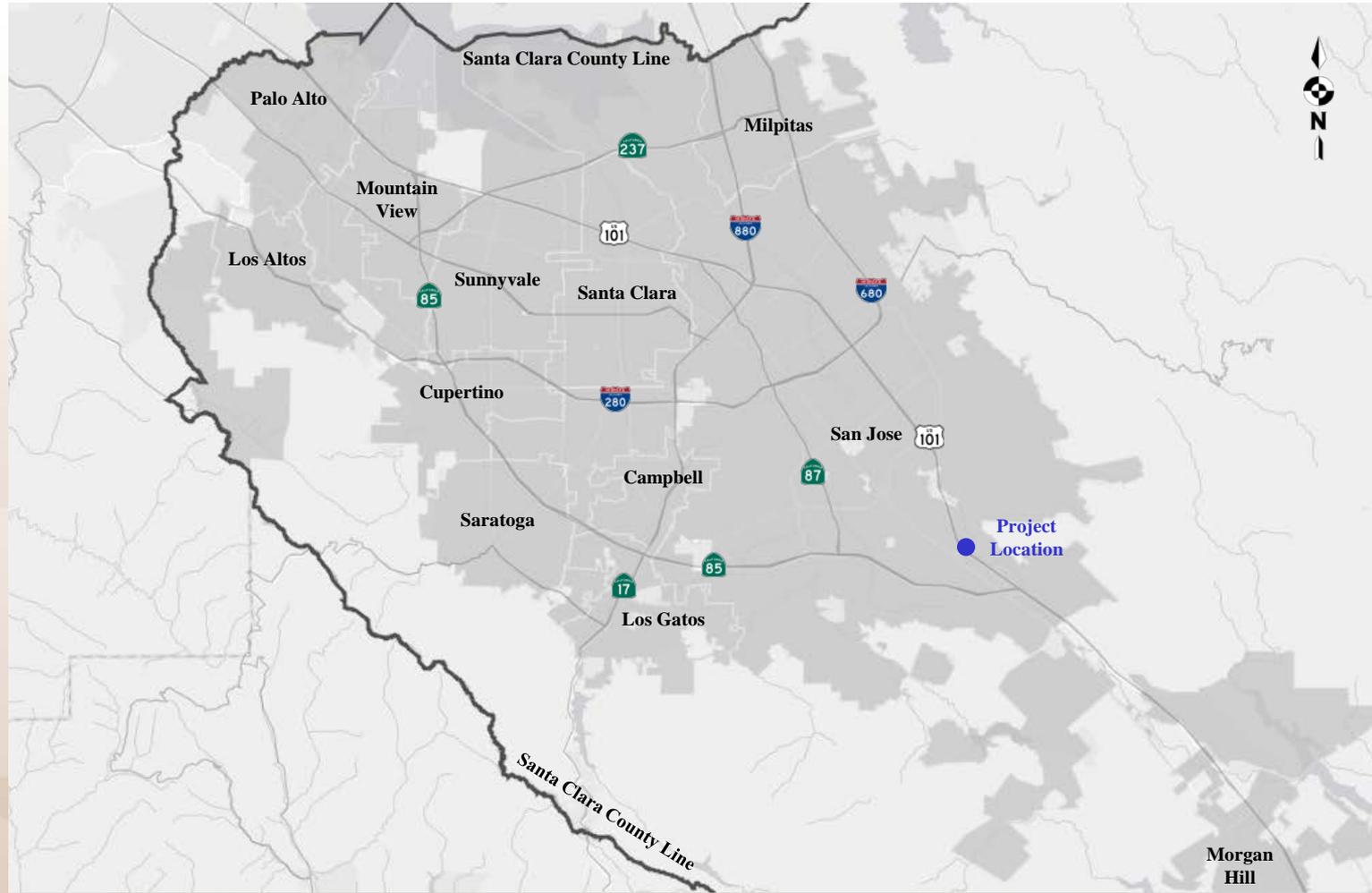


US 101/Blossom Hill Road Interchange Improvement Project

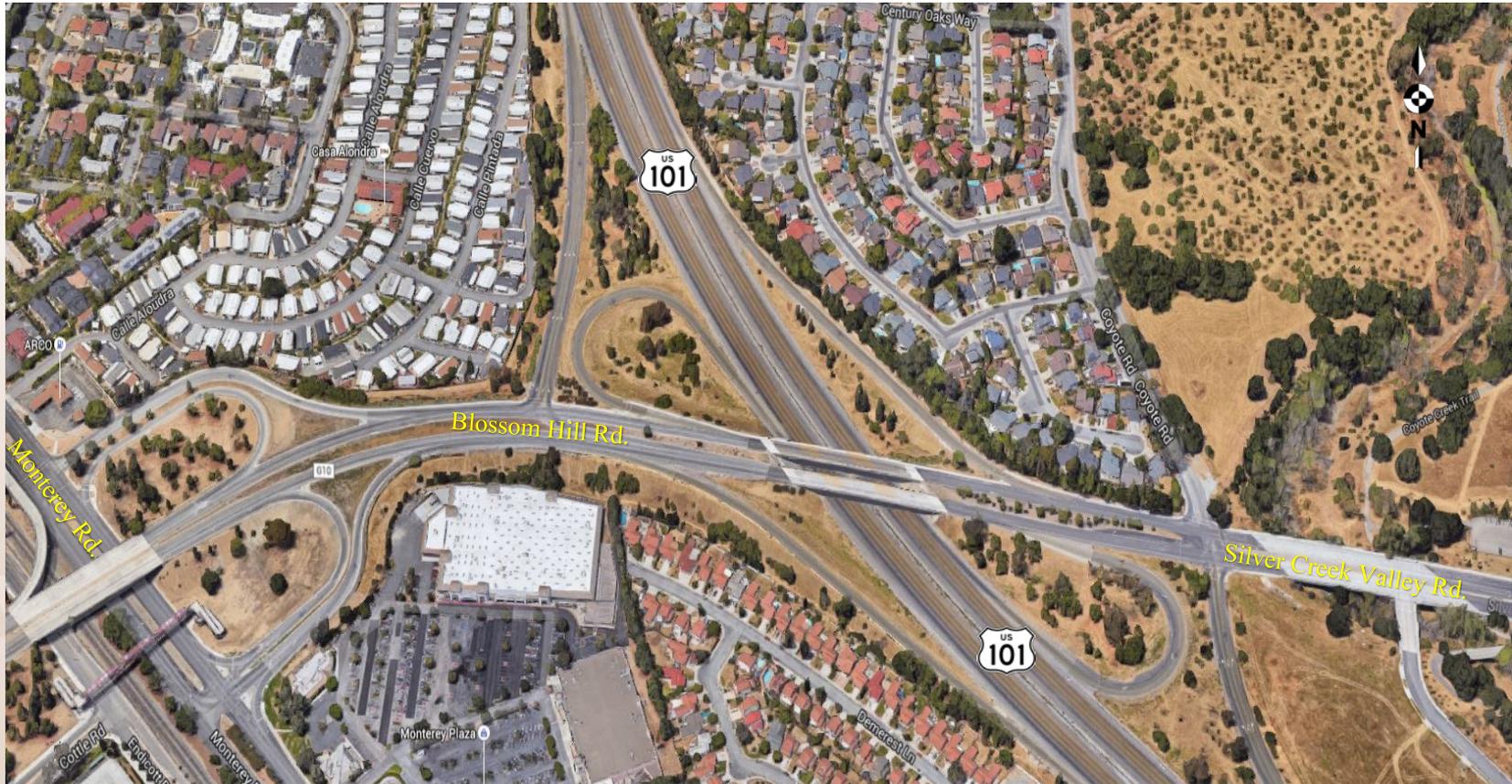
MTC Air Quality Conformity
Task Force Meeting
September 28, 2017

City of San José
Department of Transportation

Project Location



US 101/Blossom Hill Rd Area



Need and Purpose

Need for the Project:

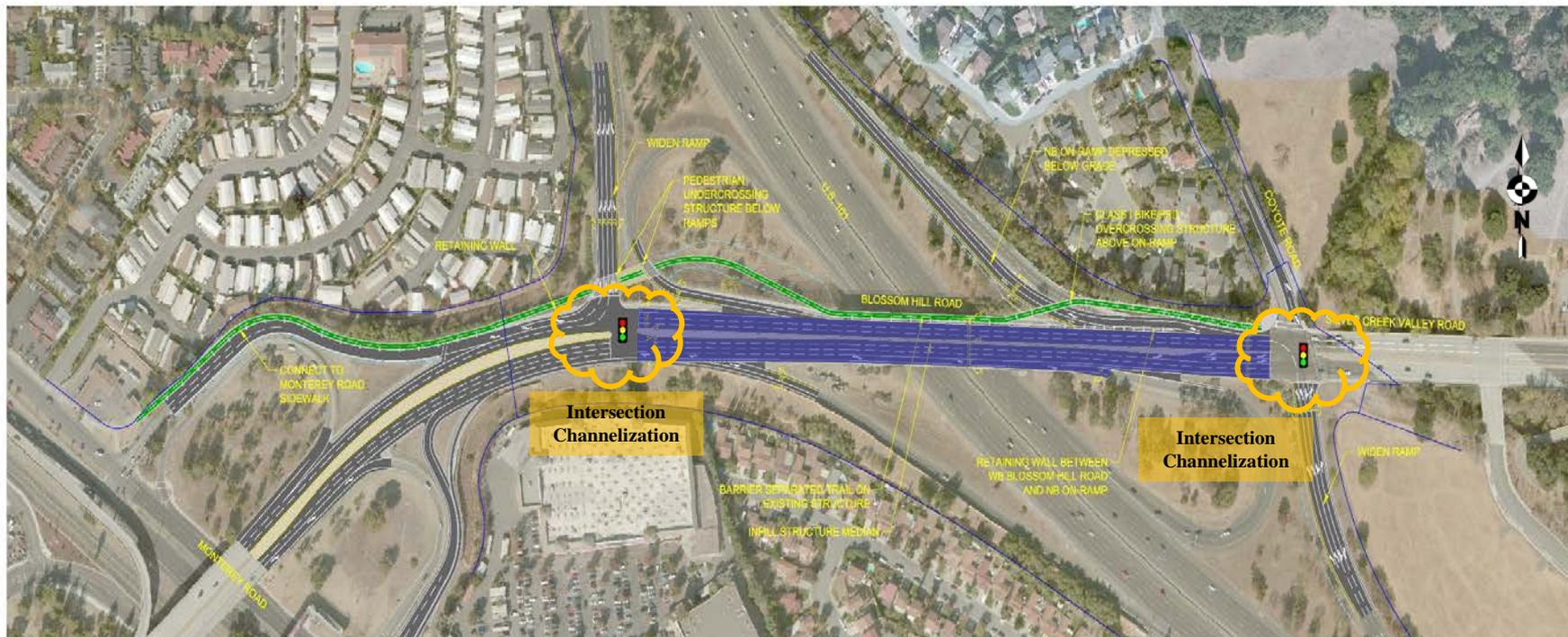
- Better connector between jobs, housing, commercial/retail, schools and recreational opportunities.
- Traffic level of service is deficient for existing and projected conditions.
- Intersections do not accommodate bicyclists and pedestrians.

Purpose of the Project:

- To improve traffic operations and improve accommodations and connectivity for pedestrians and bicyclists along Blossom Hill Road.

Proposed Project

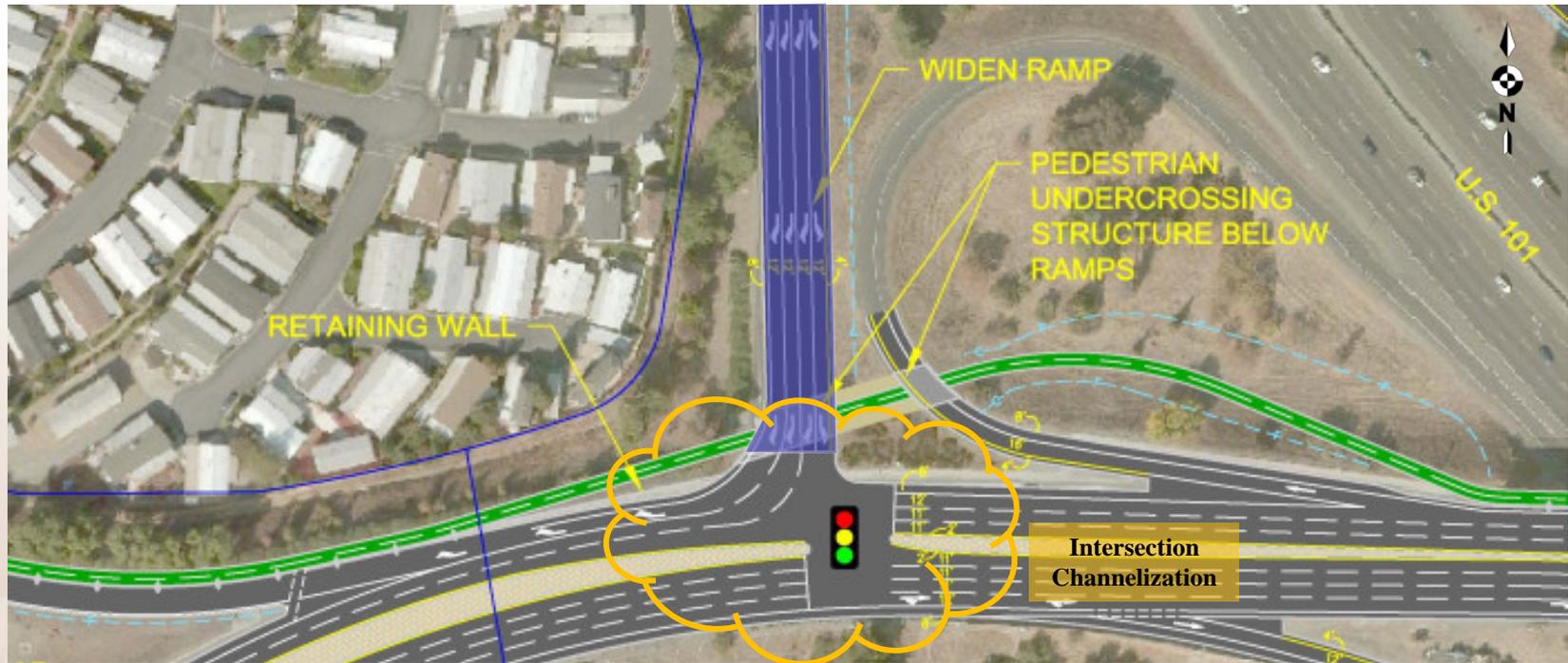
Blossom Hill Rd Overcrossing



- Construct a new bridge structure over US 101 between two existing Blossom Hill Rd bridge decks to accommodate one lane in each direction
- SB and NB off-ramp intersection modifications.

Proposed Project

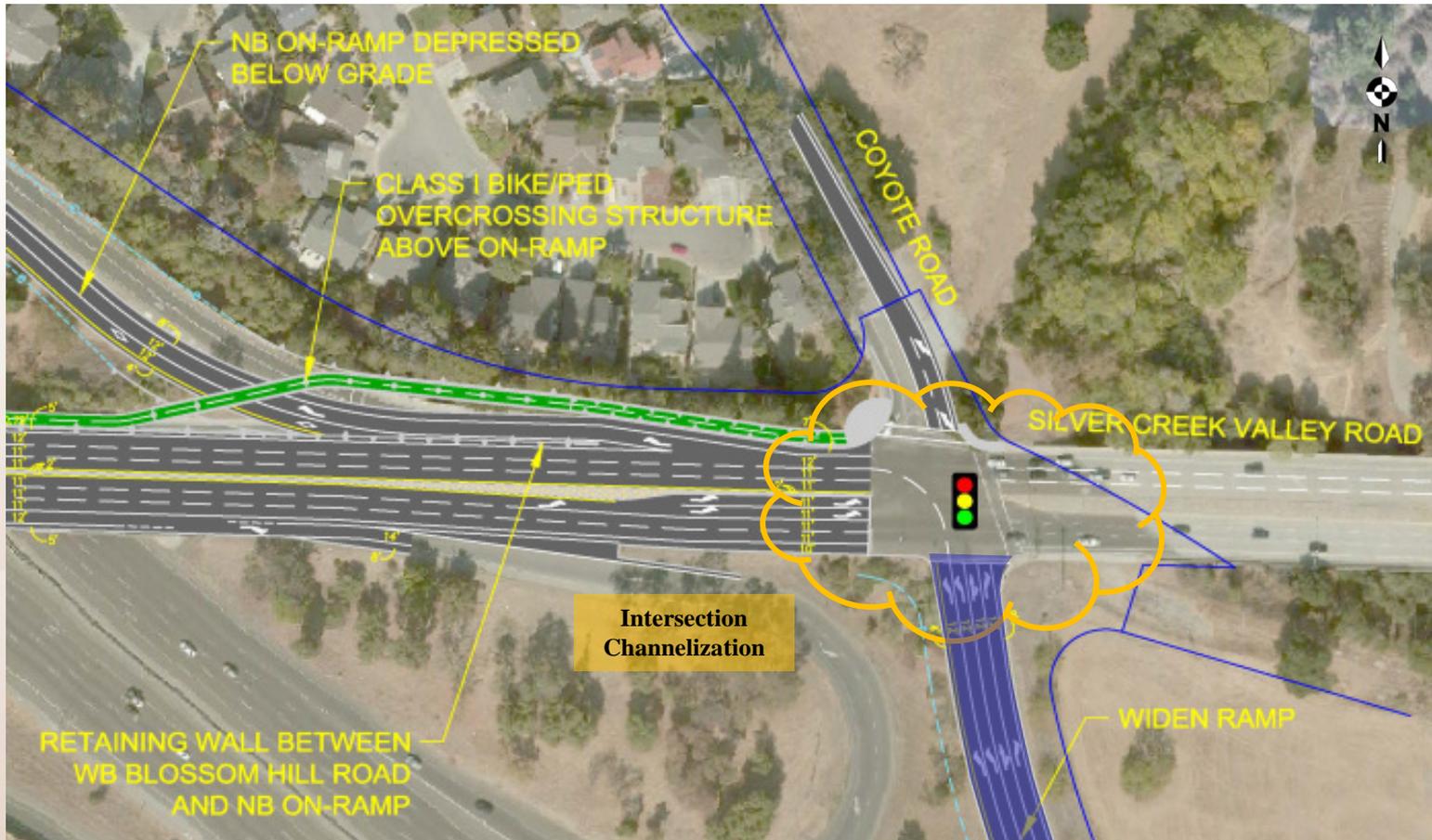
Southbound Off-ramp



- Widen SB off-ramp to accommodate three right-turn lanes and one left-turn lane.

Proposed Project

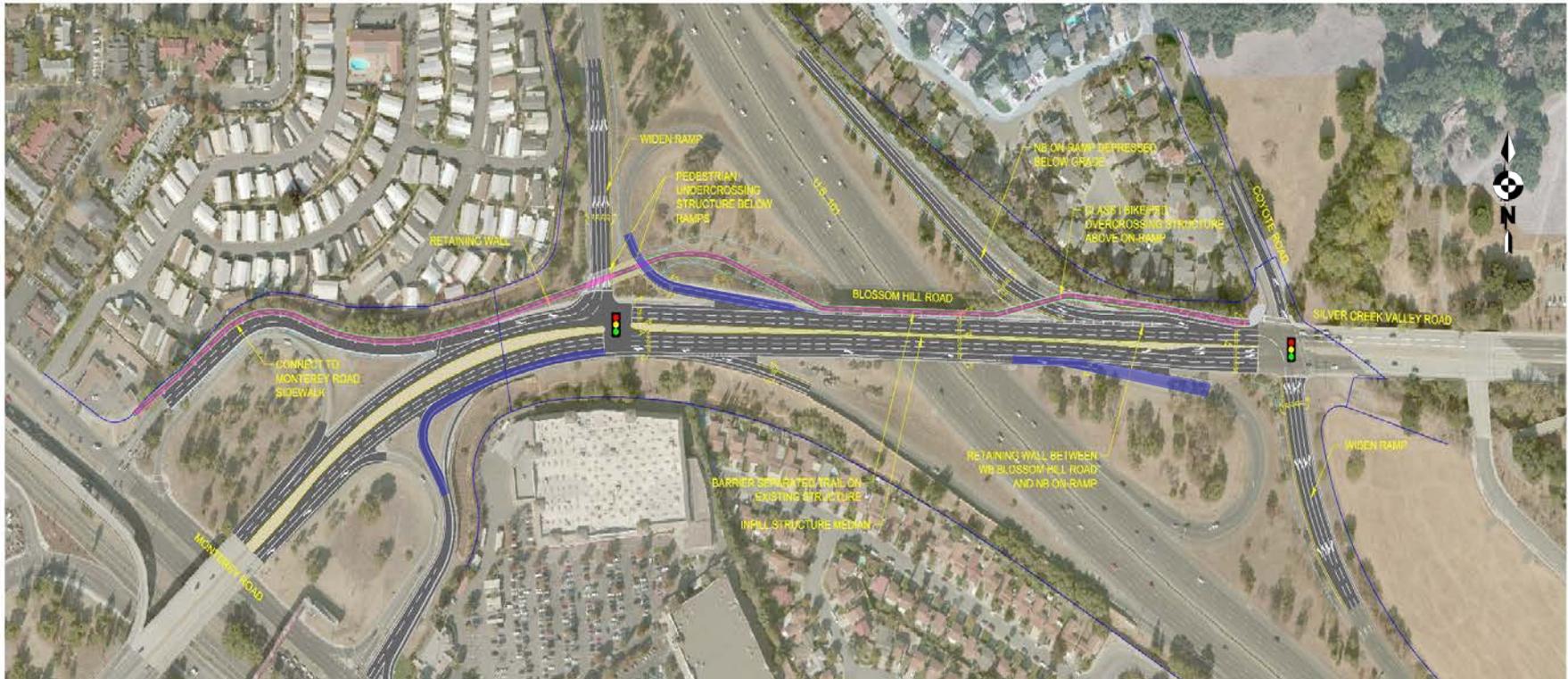
Northbound Off-ramp



- Widen NB off-ramp to accommodate two left-turn lanes, one right-through lane and one right-turn lane.

Proposed Project

Class I Path and Ramps



- Construct a Class I bicycle/pedestrian path, approximately 0.6 mile
- Modify connector ramp from Monterey Rd to Blossom Hill Rd.

Project Description Summary

- Construct a new bridge structure over US 101 between two existing Blossom Hill Rd bridge decks to accommodate one lane in each direction and an eastbound dedicated lane leading to the northbound loop on-ramp.
- Widen SB off-ramp to accommodate three right-turn lanes and one left-turn lane and modify the existing traffic signal at the intersection of this ramp and Blossom Hill Rd.
- Widen NB off-ramp to accommodate two left-turn lanes, one right-through lane and one right-turn lane.
- Reconfigure Blossom Hill Rd/Coyote Rd/NB off-ramp intersection and modify existing traffic signal at intersection.
- Realign entrances to the existing NB and SB loop on-ramps.
- Modify connector ramp from Monterey Rd to Blossom Hill Rd.
- Construct a Class I bicycle/pedestrian path, approximately 0.6 mile in length between Monterey Rd and Coyote Rd.

Project AADT and Truck AADT

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT.

2020	US 101		Blossom Hill Road		Coyote Road/Blossom Hill Road	
	No Build	Build	No Build	Build	No Build	Build
AADT	160,069	160,069	54,950	54,950	29,988	29,988
LOS ¹	C	C	D	B	E	C
Truck AADT	12,805	12,805	2,198	2,198	1,200	1,200
% Trucks	8%	8%	4%	4%	4%	4%

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT.

2040	US 101		Blossom Hill Road		Coyote Road/Blossom Hill Road	
	No Build	Build	No Build	Build	No Build	Build
AADT	173,255	173,255	63,600	63,600	30,013	30,013
LOS ¹	D	D	C	B	D	C
Truck AADT	13,860	13,860	2,544	2,544	1,200	1,200
% Trucks	8%	8%	4%	4%	4%	4%

¹ During Peak Period

Effects of Congestion Relief

Describe potential traffic redistribution effects of congestion relief:

The results of the traffic study indicate that the project would not cause an increase in the AADT on US 101 or Blossom Hill Road for the Design Year of 2020 or the Horizon Year of 2040 and there would be no degradation of the LOS. The truck AADT percentage would not change in the Design or Horizon years with the project. The addition of the additional lane across US 101 and the improvements to the existing ramps would add capacity to reduce congestion during the peak periods, but not increase AADT

Summary and Conclusions

- Percentage of trucks and AADT will remain the same in Build Alternative as in No Build.
- No effect on intersections with a significant number of diesel trucks.
- The project does not affect locations identified in an applicable PM_{2.5} implementation plan.

Process and Timing

- Environmental Studies / Approval: 2016-2018
- Design and Construction Plans: 2018-2019
- Construction: 2020-2021
(Depending Upon Funding)